

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

Shih-Yuan Wang, et al.

Serial No.

Group Art Unit:

Date Filed

: ---- Concurrently Herewith

Examiner:

For

SEMICONDUCTOR OPTICAL AMPLIFIER USING LASER CAVITY ENERGY TO AMPLIFY SIGNAL AND METHOD OF FABRICATION THEREOF

> 1185 Avenue of the Americas New York, N.Y. 10036

Assistant Commissioner for Patents **Box Patent Application** Washington, D.C. 20231

EXPRESS MAIL LETTER OF TRANSMITTAL

Express Mail mailing label number: <u>ET735982440US</u>

Date of Deposit: December 4, 2001

I hereby certify that the above-identified application (consisting of a 84-page specification (including 37 pages of claims (160 claims) and a 1 page Abstract), and 28 sheets of formal drawings (Figs. 1-34)), 3 copies of an Application Transmittal Form, unexecuted Declaration and Power of Attorney, and a check for the \$2,176 small entity filing fee, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Arlington, VA 22202

Mail Room Employee

Depositing Express Mail Material

Attorney for Applicant:

IVAN S. KAVRUKOV, Reg. No. 25,161

Cooper & Dunham LLP Tel: (212) 278-0400



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSISTANT COMMISSIONER FOR PATENTS **Box Patent Application**Washington, D. C. 20231

nonpro	Transmitted herewith for filing under 37 CFR 1.53(b) are the specification and claims of the visional patent application of:
	Shih-Yuan Wang, Miao Zhu, Zuhua Zhu, Haiging Wei and Saif M. Islam for
	Inventors
	SEMICONDUCTOR OPTICAL AMPLIFIER USING LASER CAVITY ENERGY TO AMPLIFY SIGNAL AND METHOD OF FABRICATION THEREOF
	Title of Invention
APPLIC	CATION ELEMENTS ENCLOSED:
1X_	Specification (total pages <u>84</u> including:
	a37 pages of claims (160 claims)
	b1_ page(s) Abstract
2. <u>X</u>	28 sheets of informalX formal drawings (Figs. 1- 34)
3	Oath or declaration of Applicant(s) (3 total pages)
•	a Newly executed (original)
	b. X Unexecuted
	c. Copy from a prior application (37 CFR 1.63(d))
	(for continuation/divisional with Item 14 completed)
4	Deletion of Inventor(s)
	Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR
	1.63(d)(2) and 1.33(b)
5	Incorporation By Reference
	The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied
	in item 3b is considered as being part of the disclosure of the accompanying application and is
•	hereby incorporated by reference therein.
6. <u> </u>	Microfiche Computer Program (Appendix)
APPLIC	CATION PARTS ENCLOSED:
7	An assignment (cover sheet & document(s))
8	37 CFR 3.73(b) Statement (when there is an assignee)
0 Y	Power of Attorney

Newly executed (original)

Copy from a prior application

Unexecuted

a. b.

C.

ىسى.	Letter of Transmittal Page 2 Atterney Dkt. No. 0980/65847-A
	10 Information Disclosure Statement (IDS)/PTO-1449
	Copies of IDS Citations
	11 A Preliminary Amendment
	12. X Return Receipt Postcard (MPEP 503)
	13. X Applicant(s) hereby establish small entity status under 37 C.F.R. §1.9 and §1.27
	14. X If a Continuing Application, check the appropriate box and supply the requisite information:
	Continuation of prior application No.: filed
	Divisional of prior application No.:filed
	Continuation-in-part (CIP) of prior application No.: <u>09/972,146</u> filed <u>October 4, 2001</u>
	15 Amend the specification by inserting before the first line of page one:This is acontinuation divisional of application Serial Nofiled
	16 Priority of application Nosfiled in on Applicants hereby claim priority
	under 35 U.S.C. § 119.
	A certified copy of priority application Nos is enclosed
	A certified copy of priority application Nohas been filed in prior application
	S.N filed
	17 Other (identify)

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

					Ra	ate		Fee	
	Number		Number		Small	Other		Small	Other
	Filed		Extra*		Entity	Entity		Entity	Entity
Ťotal	160 - 20	=	140	×	\$ 9	\$ 18	=	\$ 1,260	\$ 0
Claims				ļ					
Indep.	16 - 3	=	13	x	\$ 42	\$ 84	=	\$ 546	\$ 0
Claims									
Multiple Dependent					\$140	\$280	=	\$ 0	\$ 0
Claims Presented: Yes No_X_									
If the difference in column 1 is less than zero,					Basic Fee			\$ 370	\$ 740
enter "0" in column 2					Total Fee			\$ 2,176	\$

مسييال	Letter o	f Transn	nittal				Accree	ey Dkt. No.)980/65847- <i>[</i>	<u>7</u>
	18. <u>X</u>	A check	k in the amo	ount of \$ <u>2,176</u>	8.00 to cover	the filing fee.					
	19	A check	k in the amo	unt of \$	for recorda	tion of the As	ssignment	t.			
	20X	The Commissioner is hereby authorized to charge any additional fees which may be required in connection									
		with the following or credit any overpayment to Deposit Account No. 03-3125.									
		<u>_x</u>	Filing fees	under 37 C.F.	.R. § 1.16.						
		X	Patent app	lication proces	ssing fees un	der 37 C.F.R	R. §1.17.				
			The issue f	ee set in 37 C	.F.R. §1.18 at	or before ma	ailing of the	e Notice of	Allow	ance, pursua	int to 37
			C.F.R. §1.3	311(b).							
	21. <u>X</u>	Three c	opies of this	s sheet are en	closed.						
	22	Other (i	dentify)								

CORRESPONDENCE ADDRESS:

Ivan S. Kavrukov Registration No. 25,161 Cooper & Dunham LLP 1185 Avenue of the Americas New York, New York 10036 **United States of Americas**

Tel.: (212) 278-0400 Fax: (212) 391-0525

Respectfully submitted,

<u>December 4, 2001</u> Date

Ivan S. Kavrukov, Reg. No. 25,161 Attorney for Applicants c/o Cooper & Dunham LLP 1185 Avenue of the Americas New York, New York 10036 Tel.: (212) 278-0400